Data Sheet
Fujitsu PRIMERGY MX130 S1 Server

Micro server for micro businesses

Fujitsu PRIMERGY MX micro servers:
uncomplicated, reliable and affordable.
Micro businesses do not have masses of specialists for every possible task- far from it! Nor do they have masses of cash. This is why, as micro businesses try to find their way in a turbulent business world, one of their key tasks is to maximize the amount of time they use productively – without spending a fortune.
This is where PRIMERGY MX servers can help. PRIMERGY MX servers increase the productivity of micro businesses up to 15 users, by offering uncomplicated, reliable server technology on which to centralize their IT services – at a micro price.
By making IT easy and affordable, Fujitsu lets micro businesses concentrate on reaching their full business potential.

PRIMERGY MX130 S1

The PRIMERGY MX130 S1 micro server is just what micro businesses need. The MX130 S1 is a solid platform on which to base your file, web or print services. It increases your company's potential by offering server reliability and efficiency at a rock-bottom price. The running costs and environmental impact are micro too, thanks to the 85% efficient power supply unit. If you think of servers as complicated, space-eating machines, then think again. The MX130 S1 comes in a classic desktop chassis which can also be used vertically. And, best of all, it's so silent you will hardly know it's there. PRIMERGY MX130 S1 – the micro server for macro results.

Features and Benefits

Main Features	Benefits
■ 24x7 performance, server ECC memory, onboard RAID 0/1/10 and optional Trusted Platform Module (TPM)	■ Higher data safety and reliability than using PCs with external USB drives or optical media
■ Up to 16GB DDR3 ECC RAM	■ Share information and applications by running office server applications
■ High expandability - grows with your business	■ 4 expansion slots
■ Ultra-compact form factor with less than 13 liters volume - can be used everywhere in either horizontal or vertical position	■ Ideal for all environments where space is scarce
■ High energy efficiency with 85% efficiency power supply unit (PSU)	■ Benefit from Fujitsu's pioneering experience in Green IT - save money and minimize environmental impact

Technical details

PRIMERGY MX130 S1	
Mainboard	
Mainboard type	D 2974
Chipset	AMD 785G
Processor quantity and type	1 x AMD Athlon™ II X2 / AMD Sempron™
Processor	AMD Athlon™ II X2 220 (2 Cores, 2.8 GHz, SLC: 1 MB)
	AMD Athlon™ II X2 255 (2 Cores, 3.1 GHz, SLC: 2 MB)
	AMD Sempron™ 140 (1 Core, 2.7 GHz, SLC: 1 MB)
Memory slots	4
Memory slot type	DIMM (DDR3)
Memory capacity (min. - max.)	1 GB - 16 GB
Memory protection	ECC
Memory notes	Mix and match possible, with dual channel operation better performance (2 modules with equal capacity necessary). Single channel (1 module) configuration possible.
Memory modules	1 GB (1 module(s) 1 GB) DDR3, ECC, 1333 MHz, PC3-10600, DIMM
	2 GB (1 module(s) 2 GB) DDR3, ECC, 1333 MHz, PC3-10600, DIMM
	4 GB (1 module(s) 4 GB) DDR3, ECC, 1333 MHz, PC3-10600, DIMM
Interfaces	
USB ports	12 (2 x front, 6 x back, 4 x internal)
Graphics (15-pin)	1 x VGA (ATI Radeon® HD 4200 (up to 2811MB) on board); via supplied DVI to VGA adapter.
Serial 1 (9-pin)	1 x RS232
Serial connection	1 x 9pin, 16 byte FIFO, 16550 compatible
LAN / Ethernet (RJ-45)	1 x Gbit/s Ethernet
I/O controller on board	
Serial ATA total	6
RAID Controller	6 port SATA with RAID 0/1/10 for HDDs
SATA Controller	SATA2
LAN Controller	BCM 57780, 10/100/1000 Mbit/s Ethernet, PXE-Boot by LAN via PXE-Server, Teaming supported
Trusted Platform Module (TPM)	optional TPM 1.2 (onboard; can be disabled)
Fast IDE/Ultra DMA-100	
RAID Controller	6 port SATA with RAID 0/1/10 for HDDs
Slots	
PCI-Express 2.0 x4 (mech. x16)	1 x low profile (210mm)
PCI-Express 2.0 x16	1 x low profile (210mm)
PCI slots	2 x (190 mm) low profile
Slot Notes	PCI 32/33 MHz, 3.3V/5V
Drive bays	
Hard disk bays	3 x (2x 3.5-inch and 1x 5.25-inch - all non hot-plug SATA; in each of the 2x 3.5" bays, it is possible to fit up to 2x 2.5" HDDs).
Hard disk bay configuration	Screw-in only. Maximum 2x 3.5" HDDs possible.
Accessible drive bays	1 x 5.25/1.6-inch for backup devices or CD-RW/DVD
Notes accessible drives	Alternatively 1x slimline DVD plus 1x 3.5" hard disk bay (for 2x 2.5" HDDs) OR 1 full-height frame with 2x 2.5" HDDs.

Number of fans	3
Fan configuration	1x power supply fan, 1x system fan, 1x processor fan
Fan notes	non hot plug
Operating panel	
Operating buttons	On/off switch
Status LEDs	Power (green)
Operating Systems and Virtualization Software	
Certified or supported operating systems and virtualization software	Microsoft® Microsoft® Hyper-V™ Server 2008 R2 Microsoft® Windows Server® 2008 R2 Standard Microsoft® Windows Server® 2008 R2 Foundation
Operating system release link	http://docs.ts.fujitsu.com/dl.aspx?id=a9e600b9-e4cb-4f48-aa41-632f69058421
Operating system notes	Support of other Linux derivatives on demand
Server Management	
Standard	ServerView Installation Manager
Dimensions / Weight	
Floor-stand (W x D x H)	340 x 380 x 100 mm
Weight	10 kg
Weight notes	Actual weight may vary depending on configuration
Environmental	
Noise emission	According to ISO9296 (LpAm at bystander position)
Sound pressure (LpAm)	19 dB(A) (idle)/ 21 dB(A) (operating); may vary according to configuration.
Sound power (LWAd; 1B = 10dB)	3.5B (idle) / 3.7B (operating); may vary according to configuration.
Operating ambient temperature	10 - 35°C
Operating temperature note	ETSI 300 019-2-3 Class 3.1
Electrical values	
Power supply configuration	1
Max. output of single power supply	250 W
Standard power supply output	250 W
Rated voltage range	100 V - 127 V / 200 V - 240 V
Rated frequency range	47 Hz - 63 Hz
Rated current max.	100 V – 240 V / TBD
Rated current in basic configuration	100 – 240 V / TBD
Compliance	
Germany	GS
Europe	CE Class B
Global	CB RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronical equipment)
Compliance notes	There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons can be applied for on request.
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx

Components

Hard disk drives	SATA II, 2000 GB, 7200 rpm, 3.5-inch, business critical
	SATA II, 1000 GB, 7200 rpm, 3.5-inch, business critical
	SATA II, 500 GB, 7200 rpm, 3.5-inch, business critical
	SATA II, 250 GB, 7200 rpm, 3.5-inch, business critical
	SATA II, 250 GB, 7200 rpm, 3.5-inch
	SATA II, 2x 500 GB, 5400 rpm, 2.5-inch, business critical
	SATA II, 2x 320 GB, 5400 rpm, 2.5-inch, business critical
	SATA II, 2x 160 GB, 5400 rpm, 2.5-inch, business critical
Hard disk notes	Supporting NCQ and 3 GBit
Hard disk notes	PRIMERGY MX130 S1 hard disks are not hot-plug.
Tape Drives	RDX Drive, 80 GB, 160 GB, 320 GB, 500 GB, 25 MB/s, half height, USB 2.0
Optical drives	DVD-ROM, SATA I
	DVD Super Multi, SATA I
LAN Controller	Ethernet Ctrl. 1 x 1 Gb Intel® Gigabit PCIe x1, DS

Warranty	
Standard Warranty	1 year
Service level	On-site Service
Maintenance and Support Services - the perfect extension	
Recommended Service	5x9, Onsite Response Time: next business day
Service Weblink	http://ts.fujitsu.com/Supportservice

More information

Fujitsu platform solutions

In addition to Fujitsu PRIMERGY MX130 S1, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures
With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products
www.fujitsu.com/global/services/computing/

Software
www.fujitsu.com/software/

More information

Learn more about Fujitsu PRIMERGY MX130 S1, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
http://ts.fujitsu.com/Primergy

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.
Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT.
Please find further information at http://www.fujitsu.com/global/about/environment/

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